Qy 61 MVNHGGITFISEQVSHHPPMSAGHAETPHPTYDVTSKLKTKFLQNSVLVYFVCPTPVTLK 120
Db 61 MVNHGGITFISEQVSHHPPMSAGHAETPHPTYDVTSKLKTKFLQNSVLVYFVCPTPVTLK 120

Qy 121 RDGVVLDLVPPPTKVSNLIFGRTWIDSPGEMILTNLTTGDKVVLYFQPCGWFGYEVDGYV 180
Db 121 RDGVVLDLVPPPTKVSNLIFGRTWIDSPGEMILTNLTTGDKVVLYFQPCGWFGYEVDGYV 180

Qy 181 YNSADEPKILMTGKWNEAMNYQVCVSEGEPLPGTELKEIWRVADTPKKLKFQVTHFAHKI 240
Db 181 YNSADEPKILMTGKWNEAMNYQVCVSEGEPLPGTELKEIWRVADTPKKLKFQVTHFAHKI 240

Qy 241 NSPGTAPKKLIASDSPLRPDPMALEPCQLSISCVEESSLEEPQPAEEPNPEAPGHPFTPRW 300
Db 241 NSPGTAPKKLIASDSPLRPDPMALEPCQLSISCVEESSLEEPQPAEEPNPEAPGHPFTPRW 300

Qy 301 WFDLITDEVTPTPWGDLEVYQVNGKYTQHCAAVDSSECIEVPDIRPEEPNPWQYDNLDAE 360
Db 301 WFDLITDEVTPTPWGDLEVYQVNGKYTQHCAAVDSSECIEVPDIRPEEPNPWQYDNLDAE 360

RESULT 2
US-10-030-537-30
; Sequence 30, Application US/10030537
; GENERAL INFORMATION:
; APPLICANT: Karunanandaa, Balasulojini
; APPLICANT: Yu, Jaehyuk
; APPLICANT: Kishore, Ganesh M.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED
; TITLE OF INVENTION: WITH STEROL SYNTHESIS AND METABOLISM
; FILE REFERENCE: 16516.130
; CURRENT APPLICATION NUMBER: US/10/030,537
; CURRENT FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: US 60/142,981
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 34
; SEQ ID NO 30
; LENGTH: 358
; TYPE: PRT
; ORGANISM: Glycine max
US-10-030-537-30

Query Match 100.0%; Score 1941; DB 24; Length 358;
Best Local Similarity 100.0%; Pred. No. 1.2e-179;
Matches 358; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MIMLQKMAELMEYSYLLDMADKTEDPYMRLVYASSFFISVYYAYQPIWKPFNPITGEIYE 60
Db 1 MIMLQKMAELMEYSYLLDMADKTEDPYMRLVYASSFFISVYYAYQPIWKPFNPITGEIYE 60

Qy 61 MVNHGGITFISEQVSHHPPMSAGHAETPHPTYDVTSKLKTKFLQNSVLVYFVCPTPVTLK 120
Db 61 MVNHGGITFISEQVSHHPPMSAGHAETPHPTYDVTSKLKTKFLQNSVLVYFVCPTPVTLK 120

Qy 121 RDGVVLDLVPPPTKVSNLIFGRTWIDSPGEMILTNLTTGDKVVLYFQPCGWFGYEVDGYV 180
Db 121 RDGVVLDLVPPPTKVSNLIFGRTWIDSPGEMILTNLTTGDKVVLYFQPCGWFGYEVDGYV 180

Qy 181 YNSADEPKILMTGKWNEAMNYQVCVSEGEPLPGTELKEIWRVADTPKKLKFQVTHFAHKI 240
Db 181 YNSADEPKILMTGKWNEAMNYQVCVSEGEPLPGTELKEIWRVADTPKKLKFQVTHFAHKI 240

Qy 241 NSPGTAPKKLIASDSPLRPDPMALEPCQLSISCVEESSLEEPQPAEEPNPEAPGHPFTPRW 300
Db 241 NSPGTAPKKLIASDSPLRPDPMALEPCQLSISCVEESSLEEPQPAEEPNPEAPGHPFTPRW 300

Qy 301 WFDLITDEVTPTPWGDLEVYQVNGKYTQHCAAVDSSECIEVPDIRPEEPNPWQYDNLDAE 360
Db 301 WFDLITDEVTPTPWGDLEVYQVNGKYTQHCAAVDSSECIEVPDIRPEEPNPWQYDNLDAE 360

US-09-614-221A-624
; Sequence 624, Application US/09614221A
; GENERAL INFORMATION:
; APPLICANT: Karunanandaa, Balasulojini
; APPLICANT: Yu, Jaehyuk
; APPLICANT: Kishore, Ganesh M.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED
; TITLE OF INVENTION: WITH STEROL SYNTHESIS AND METABOLISM
; FILE REFERENCE: 16516.075
; CURRENT APPLICATION NUMBER: US/09/614,221A
; CURRENT FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/142,981
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 626
; SEQ ID NO 624
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Glycine max
US-09-614-221A-624

Query Match 97.9%; Score 1900.5; DB 20; Length 355;
Best Local Similarity 99.2%; Pred. No. 1.8e-186;
Matches 352; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

Qy 7 MAELMEYSYLLDMADKTEDPYMRLVYASSFFISVYYAYQPIWKPFNPITGEIYEMVNHGG 66
Db 1 MAELMEYSYLLDMADKTEDPYMRLVYASSFFISVYYAYQPIWKPFNPITGEIYEMVNHGG 60

Qy 67 ITFISEQVSHHPPMSAGHAETPHPTYDVTSKLKTKFLQNSVLVYFVCPTPVTLKRDGVVL 126
Db 61 ITFISEQVSHHPPMSAGHAETPHPTYDVTSKLKTKFLQNSVLVYFVCPTPVTLKRDGVVL 120

Qy 127 DLVPPPTKVSNLIFGRTWIDSPGEMILTNLTTGDKVVLYFQPCGWFGYEVDGYVYNSADE 186
Db 121 DLVPPPTKVSNLIFGRTWIDSPGEMILTNLTTGDKVVLYFQPCGWFGAGFYEVDGYVYNS 180

Qy 187 PKILMTGKWNEAMNYQVCVSEGEPLPGTELKEIWRVADTPKKLKFQVTHFAHKINSPGTA 246
Db 181 YNSADEPKILMTGKWNEAMNYQVCVSEGEPLPGTELKEIWRVADTPKKLKFQVTHFAHKI 240

Qy 247 PKKLIASDSPLRPDPMALEPCQLSISCVEESSLEEPQPAEEPNPEAPGHPFTPRWFDLITD 306
Db 241 NSPGTAPKKLIASDSPLRPDPMALEPCQLSISCVEESSLEEPQPAEEPNPEAPGHPFTPRWFDLITD 300

Qy 307 EVTPTPWGDLEVYQVNGKYTQHCAAVDSSECIEVPDIRPEEPNPWQYDNLDAE 360
Db 301 EVTPTPWGDLEVYQVNGKYTQHCAAVDSSECIEVPDIRPEEPNPWQYDNLDAE 355

RESULT 4
US-10-030-537-32
; Sequence 32, Application US/10030537
; GENERAL INFORMATION:
; APPLICANT: Karunanandaa, Balasulojini
; APPLICANT: Yu, Jaehyuk
; APPLICANT: Kishore, Ganesh M.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED
; TITLE OF INVENTION: WITH STEROL SYNTHESIS AND METABOLISM
; FILE REFERENCE: 16516.130
; CURRENT APPLICATION NUMBER: US/10/030,537
; CURRENT FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: US 60/142,981
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 34
; SEQ ID NO 32
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Glycine max
US-10-030-537-32

Query Match 97.9%; Score 1900.5; DB 24; Length 355;